

Table 5.33 List of alarm codes

Code	Description		Code	Description	
0	No alarm	—	28	PG disconnection	<i>PG</i>
1	Overcurrent (during acceleration)	<i>OL1</i>	29	NTC disconnection error	<i>nr-b</i>
2	Overcurrent (during deceleration)	<i>OL2</i>	31	Memory error	<i>Er-1</i>
3	Overcurrent (during constant speed operation)	<i>OL3</i>	32	Keypad communications error	<i>Er-2</i>
5	Ground fault	<i>EF</i>	33	CPU error	<i>Er-3</i>
6	Overvoltage (during acceleration)	<i>OV1</i>	34	Option communications error	<i>Er-4</i>
7	Overvoltage (during deceleration)	<i>OV2</i>	35	Option error	<i>Er-5</i>
8	Overvoltage (during constant speed operation or stopping)	<i>OV3</i>	36	Run operation error	<i>Er-6</i>
10	Undervoltage	<i>UV</i>	37	Tuning error	<i>Er-7</i>
11	Input phase loss	<i>L in</i>	38	RS-485 communications error (communications port1)	<i>Er-8</i>
14	Fuse blown	<i>FUS</i>	44	Motor overload: motor 3	<i>OL3</i>
16	Charging circuit fault	<i>PbF</i>	45	Motor overload: motor 4	<i>OL4</i>
17	Heat sink overheat	<i>OH1</i>	46	Output phaseloss	<i>OPL</i>
18	External alarm	<i>OH2</i>	47	Following error, excessive speed deviation	<i>Er-E</i>
19	Internal air overheat	<i>OH3</i>	51	Data save error on insufficient voltage	<i>Er-F</i>
20	Motor protection (PTC/NTC thermistor)	<i>OH4</i>	53	RS-485 communications error (Option/Communications port 2)	<i>Er-P</i>
22	Braking resistor overheat	<i>dbH</i>	54	Hardware error	<i>Er-H</i>
23	Motor overload	<i>OL1</i>	57*1	EN circuit error	<i>ECF</i>
24	Motor overload: motor 2	<i>OL2</i>	58	PID feedback disconnection detected	<i>LoF</i>
25	Inverter overload	<i>OLU</i>	59	DB transistor trouble	<i>dbA</i>
27	Over speed protection	<i>OS</i>	100	DC fan lock detected	<i>FAL</i>

Code	Description		Code	Description	
101	Motor overload warning	<i>OL</i>	106	Low torque detected	<i>LiL</i>
102	Cooling fin overheat warning	<i>OH</i>	107	Thermistor detected (PTC)	<i>PtC</i>
103	Life warning	<i>LiF</i>	108	Machine life (accumulated operation hours)	<i>rFE</i>
104	Command loss	<i>rEF</i>	109	Machine life (No. of starting times)	<i>LnF</i>
105	PID warning output	<i>Pid</i>	254	Simulated error	<i>Err</i>

(Example) In the case of overvoltage (during acceleration) (*OV1*)

6 = 0006_H Consequently,

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00 _H	06 _H
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Data format [16] Operation status

15	14	13	12	11	10	9	8	7	6	5	4	3	2	1	0
BUSY	0	0	RL	ALM	DEC	ACC	IL	VL	0	NUV	BRK	INT	EXT	REV	FWD

(All bits are turned ON or become active when set to 1.)

Bit	Symbol	Description	Support*1				Bit	Symbol	Description	Support*1			
			Mini	Eco	Multi	MEGA				Mini	Eco	Multi	MEGA
0	FWD	During forward rotation	○	○	○	○	8	IL	During current limiting	○	○	○	○
1	REV	During reverse rotation	○	○	○	○	9	ACC	During acceleration	○	○	○	○
2	EXT	During DC braking (or during pre-exciting)	○	○	○	○	10	DEC	During deceleration	○	○	○	○
3	INT	Inverter shut down	○	○	○	○	11	ALM	Alarm relay (for any fault)	○	○	○	○
4	BRK	During braking (fixed to 0 for FRENIC-Mini)	×	○	○	○	12	RL	Communications effective	○	○	○	○
5	NUV	DC link circuit voltage established (0 = undervoltage)	○	○	○	○	13	0	–	×	×	×	×
6	TL	During torque limiting	×	×	○	○	14	0	–	×	×	×	×
7	VL	During voltage limiting	○	○	○	○	15	BUSY	During function code data writing	○	○	○	○

*1 The "Support" column indicates whether each inverter type supports the corresponding bit or not. The symbol "O" means the code is supported and the symbol "X" means that the code is not supported (fixed to 0).